



The Kansas Physician Workforce Project

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Introduction and Background

- Local and National Shortage Projections & Concerns
- University and SOM History with Workforce Programs
- Regional Institutional and Organizational Partnerships
- Physician Workforce Advisory Board Development – Glen Cox, MD (Chair)
 - Kansas Department of Health Environment – Barbara Gibson
 - KAFP – Carolyn Gaughan & Verlin Janzen, MD
 - KMS - Jerry Slaughter & Allison Peterson
 - KHA - Melissa Hungerford, Thomas Bell
 - Kansas Rural Development Council – Steven Bittel
 - Onaga Community Hospital, Onaga, KS - Marcia Walsh, COO
 - Medicine Lodge Memorial Hospital - Kevin White, CEO
 - KS Health Policy Authority – Andy Allison
 - Kansas Farm Bureau -
- KUMC Analysis Team
 - Giulia Bonaminio, PhD; Michael Kennedy, MD; David Cook, PhD; Allen Greiner, MD, MPH; Garold Minns, MD; *Tony Paolo, PhD*; Glen Cox, MD; *Niaman Nazir, MBBS, MPH*

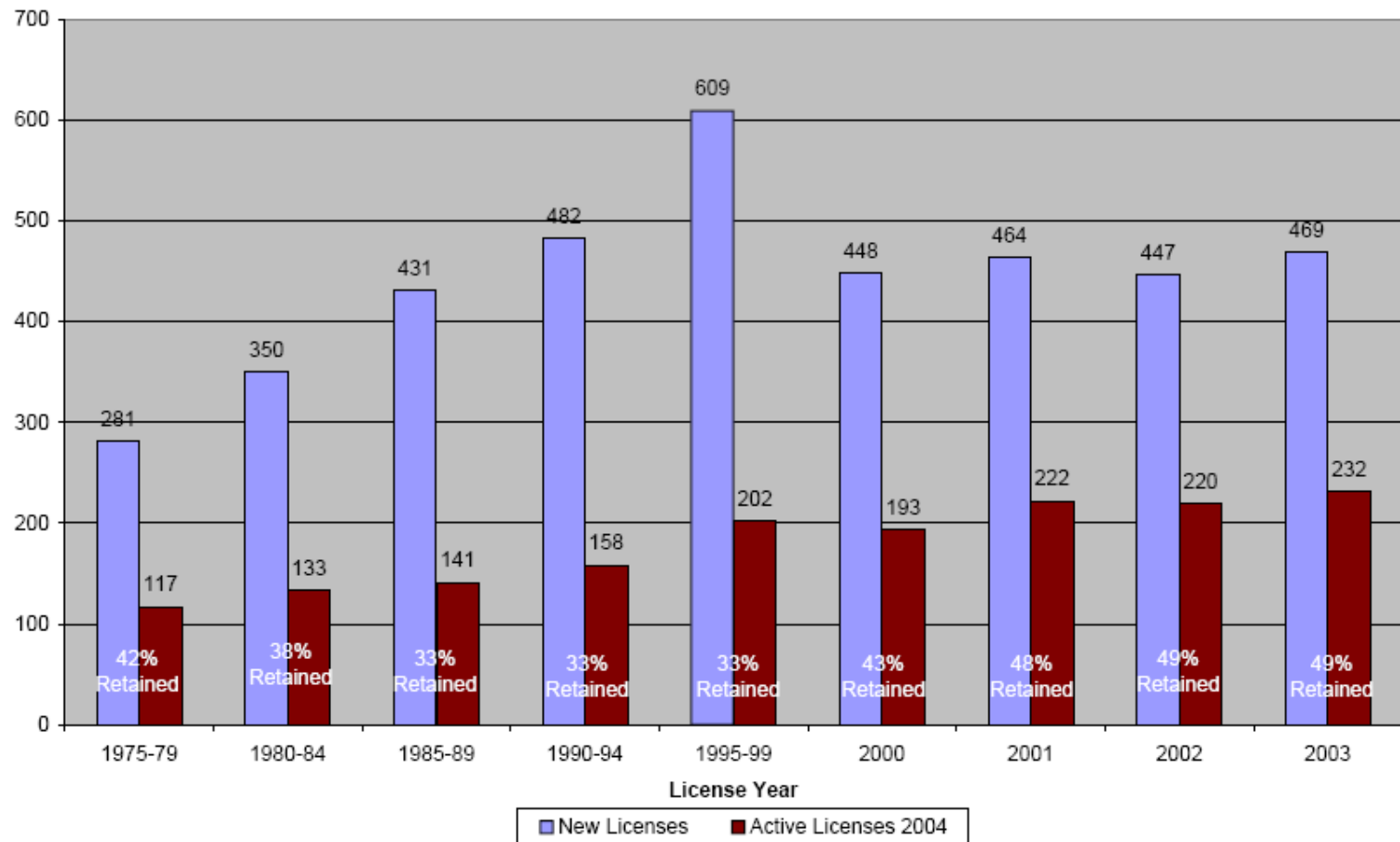


Methods -

- KU Medical Center Human Subjects Approval (exempt)
- Kansas Board of Healing Arts and Census datasets
 - KBHA database used annually by KDHE for federal HPSA and MUA designations
 - Survey voluntary
 - Primary Care Provider responses verified/clarified
- Cleaning & Data Management
 - Physicians in training removed
 - Full Active License & Primary Practice Address in Kansas
 - ≥ 20 hours/ week considered full-time FTE
 - Excel masterfile and analysis in SAS™
- Assumptions
 - Follow license retention patterns – 49% to start, to 43% in 5 years, then to 33% (historical low)

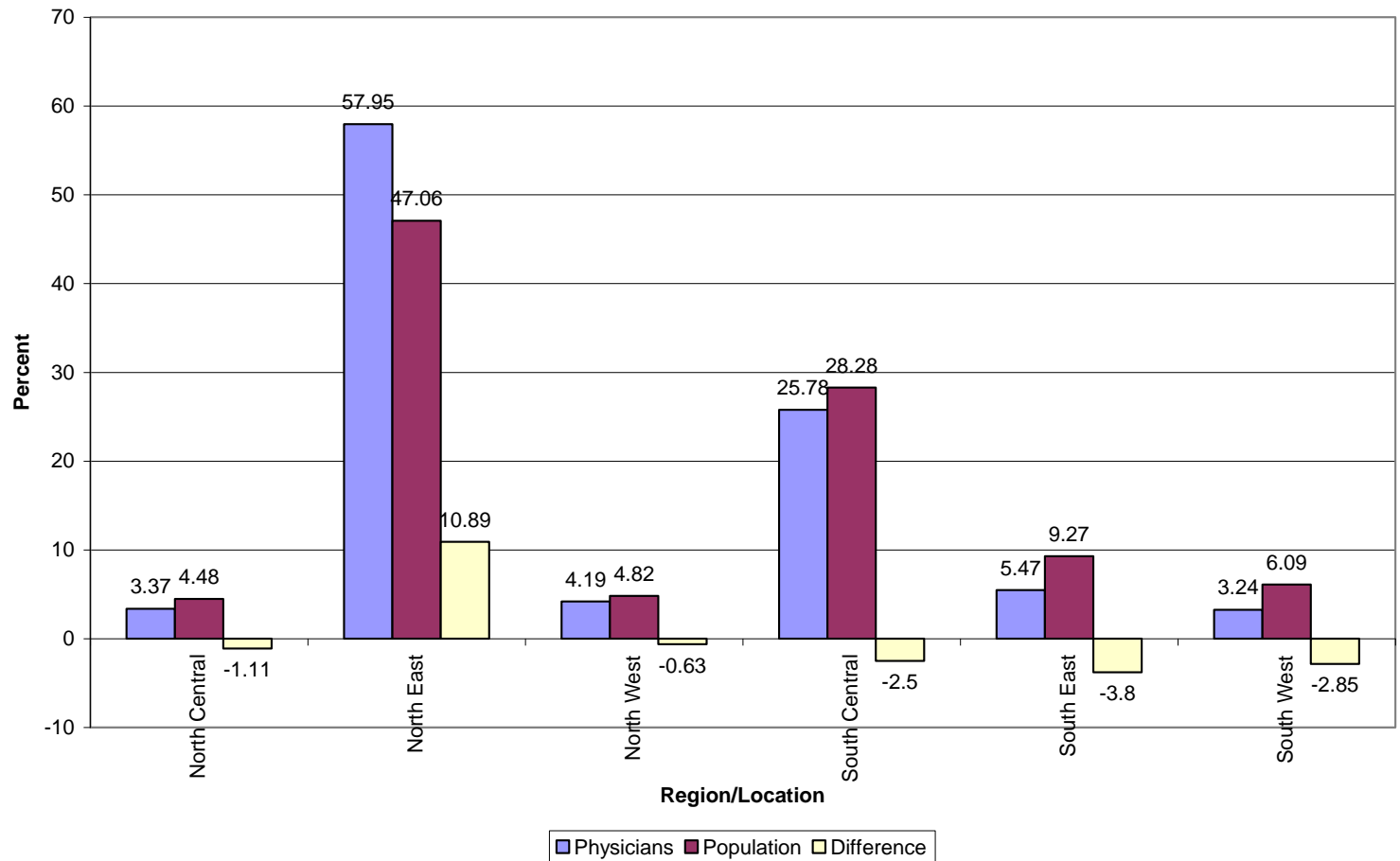
Licensure Trends

Number of New Licenses Issued each Year and Active Licenses as of 2004
MD/DO



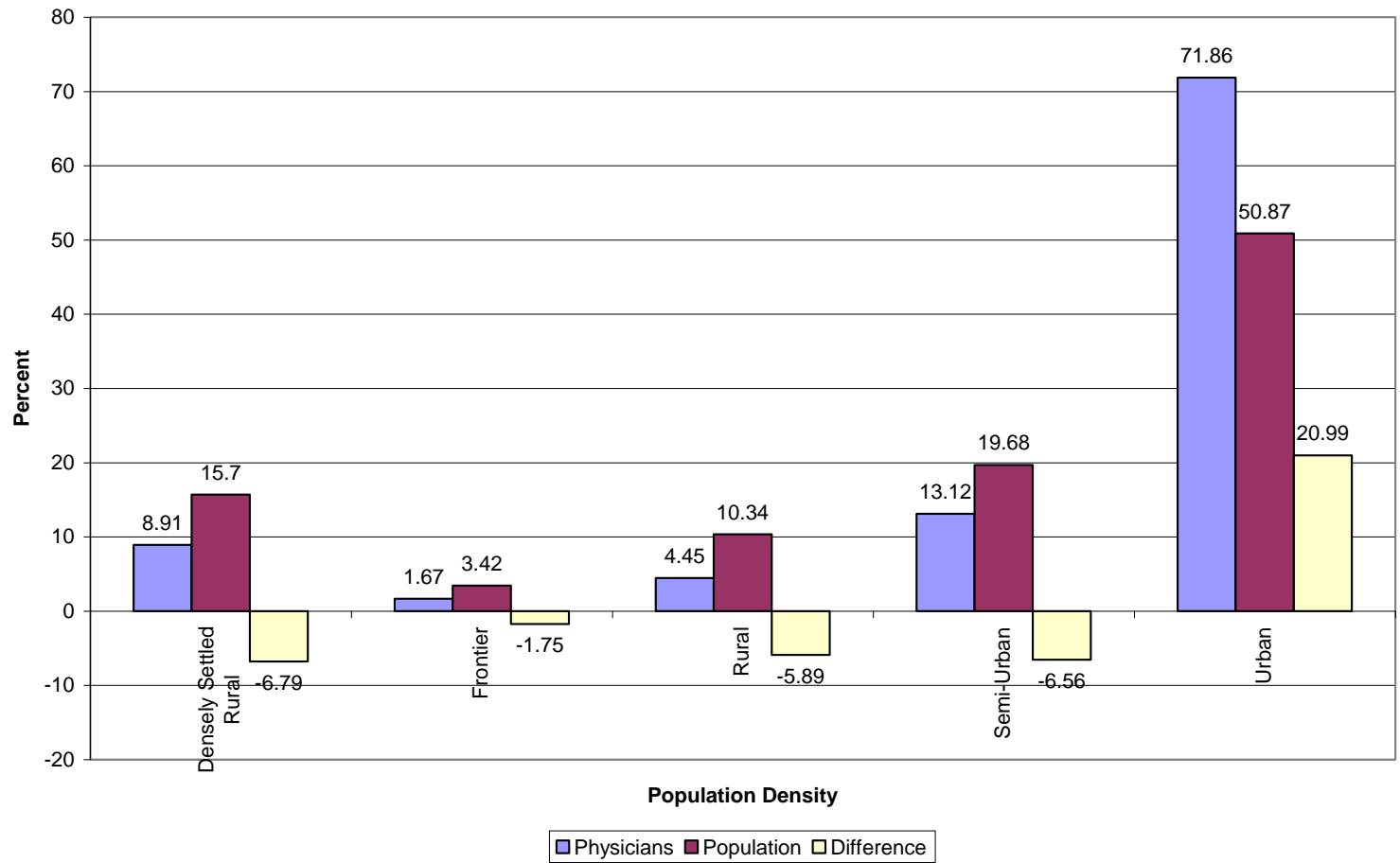


Percent Distribution of Physicians (MD/DO) and Kansas population by location in 2004



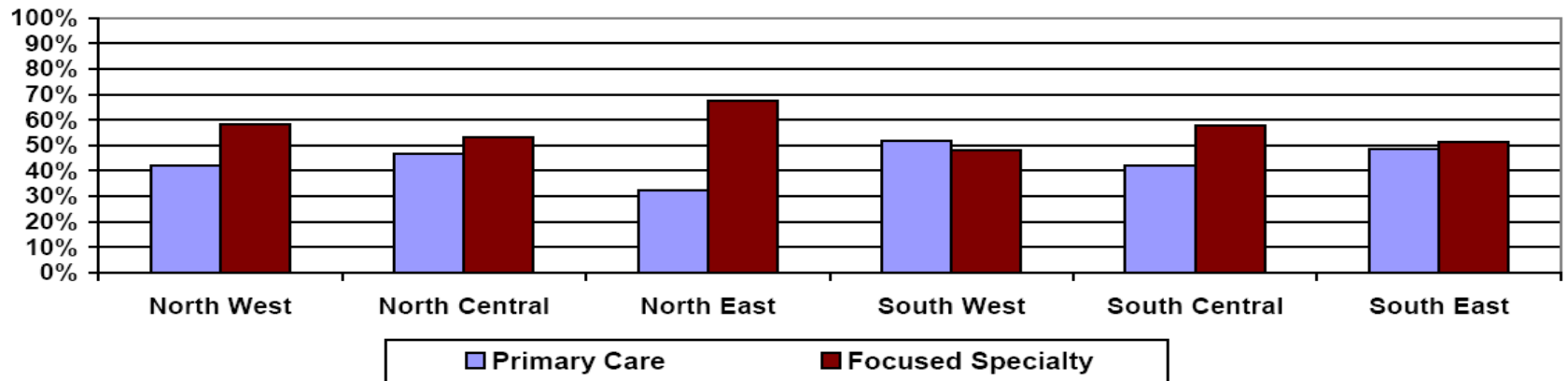


Percent Distribution of Physicians (MD/DO) and Kansas population by Density in 2004



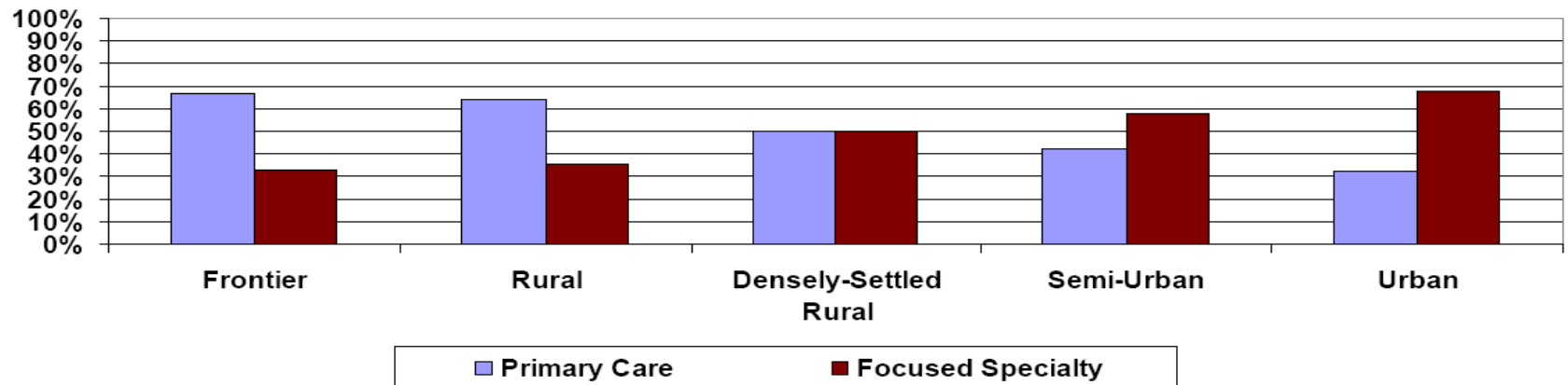
Specialty Distribution for MD/DOs with Active 2004 Licenses by Region

(Primary care = Family Medicine, General Practice, Internal Medicine, & Pediatrics)



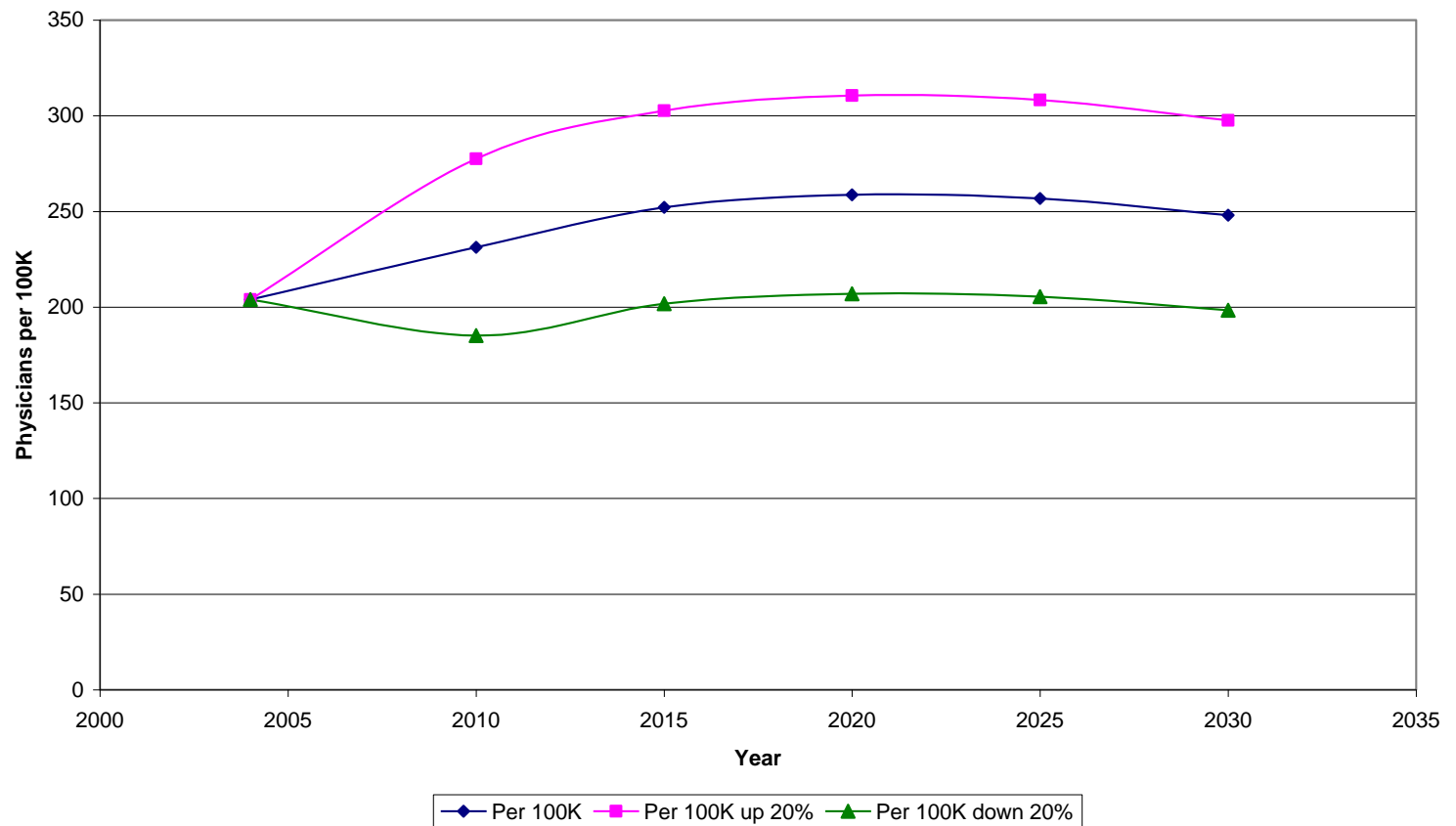
Specialty Distribution for MD/DOs with Active 2004 Licenses by Peer Group

(Primary care = Family Medicine, General Practice, Internal Medicine, & Pediatrics)



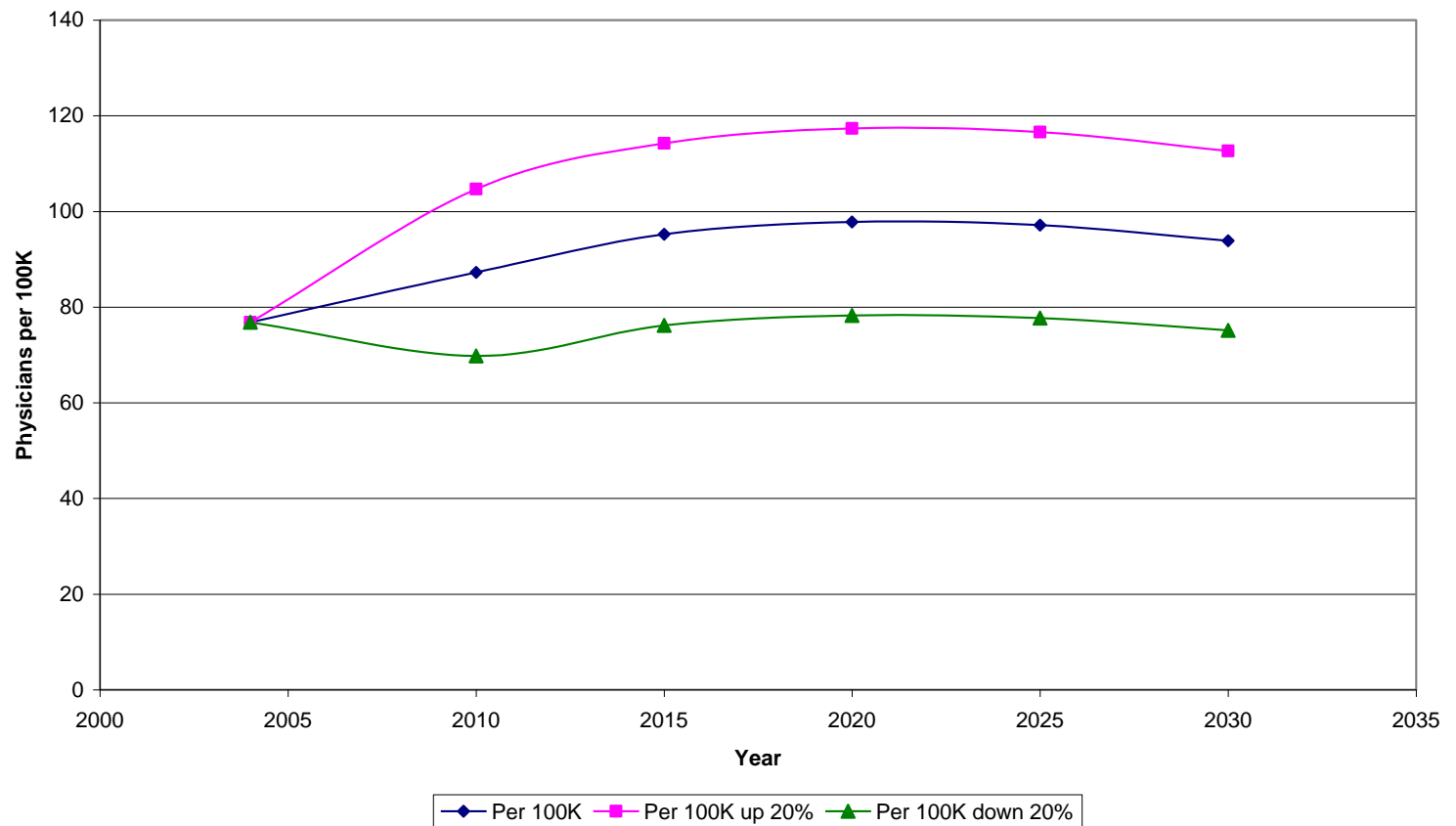
Projections

Kansas Workforce (MD/DO) projection and change of 20% in physician numbers after accounting for retirement and 43% retention of new physicians till 2010 and then decreasing it 1% each year until 33% in year 2020, after which it's constant



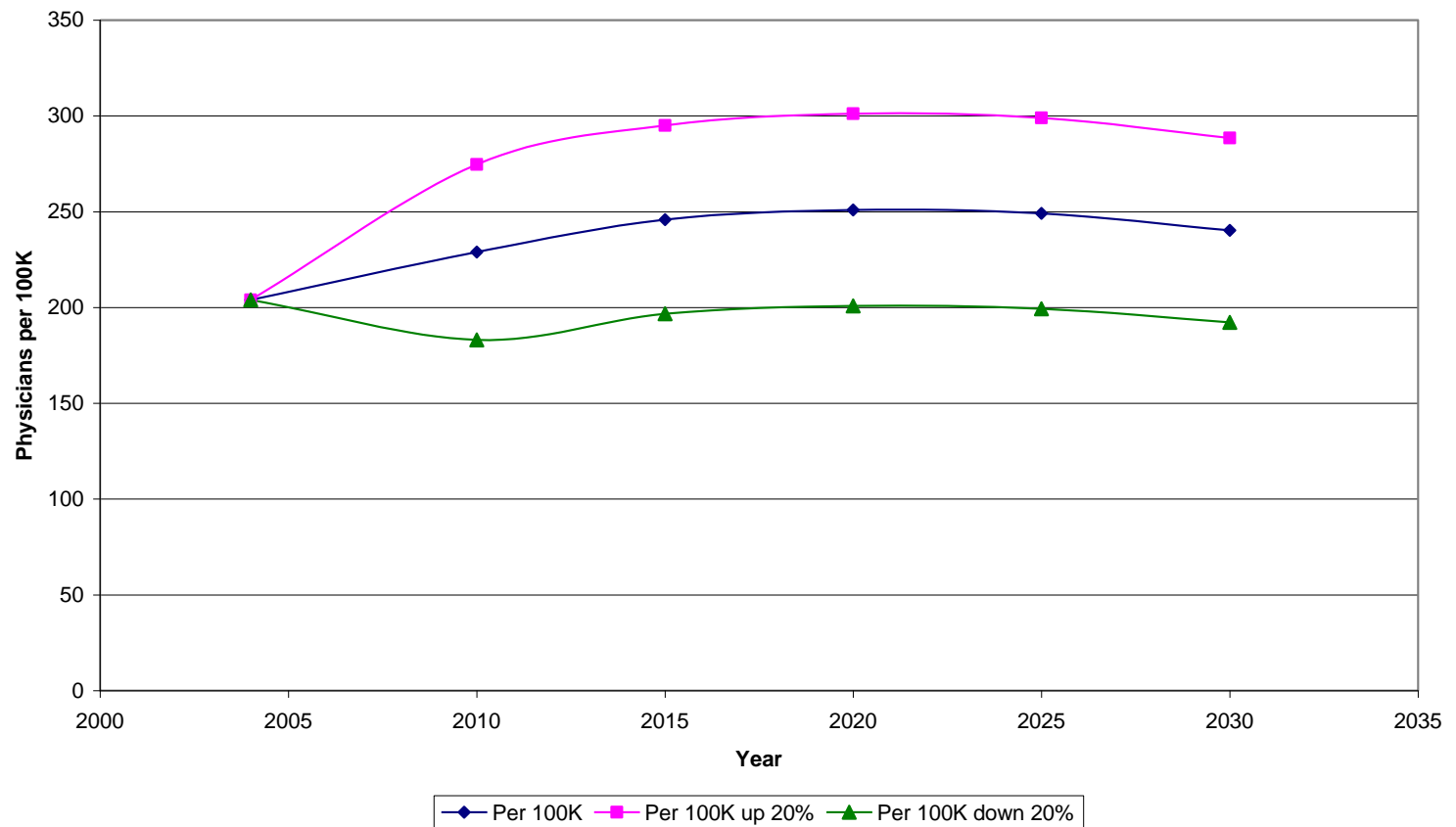


Kansas Workforce (Primary Care) projection and change of 20% in physician numbers after accounting for retirement and 43% retention of new physicians till 2010 and then decreasing it 1% each year until 33% in year 2020, after which it's constant



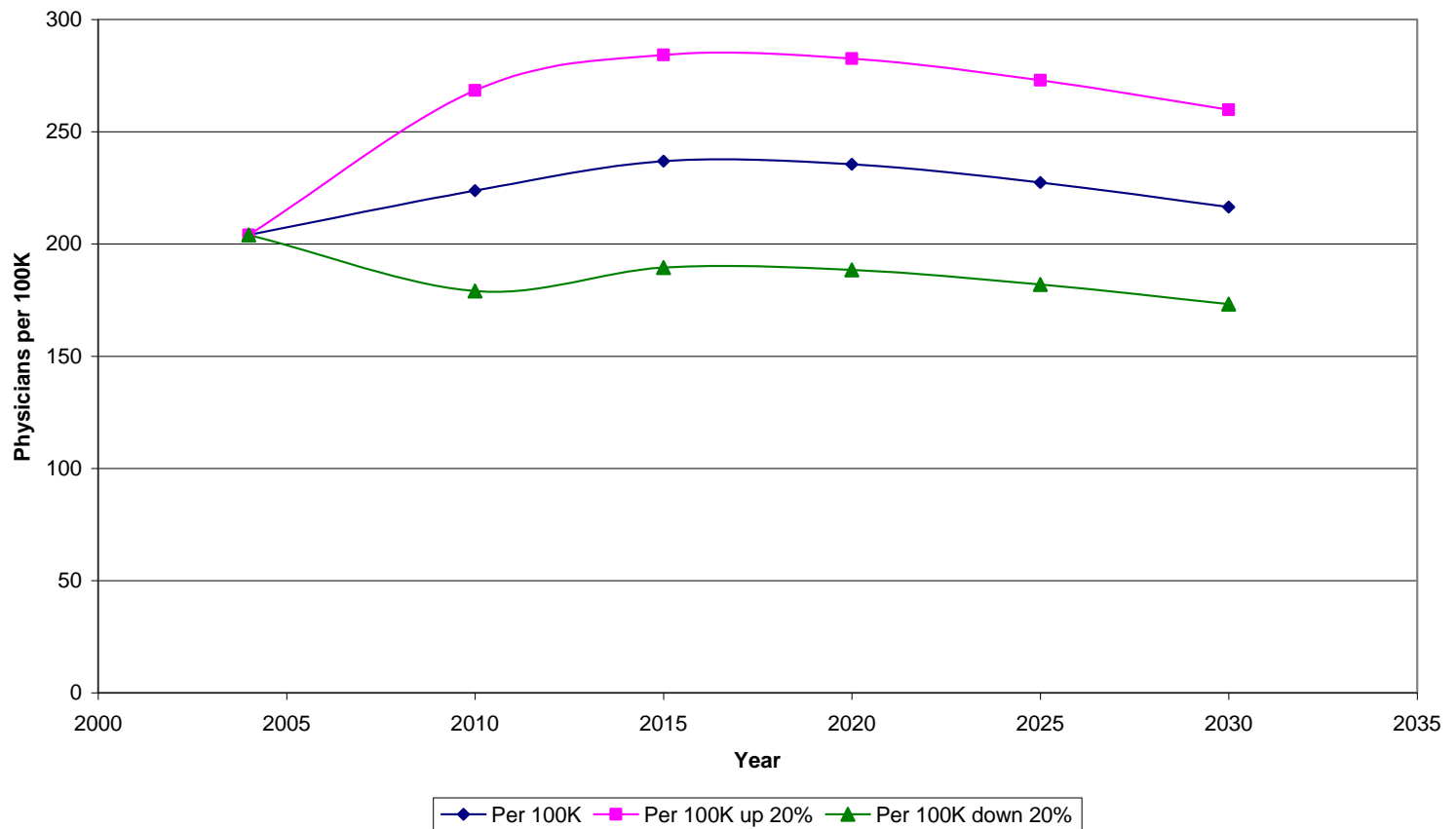


Kansas Workforce (MD/DO) projection and change of 20% in physician numbers after accounting for retirement and 43% retention of new physicians in 2005 and then decreasing it 1% each year until 33% in year 2015, after which it's constant





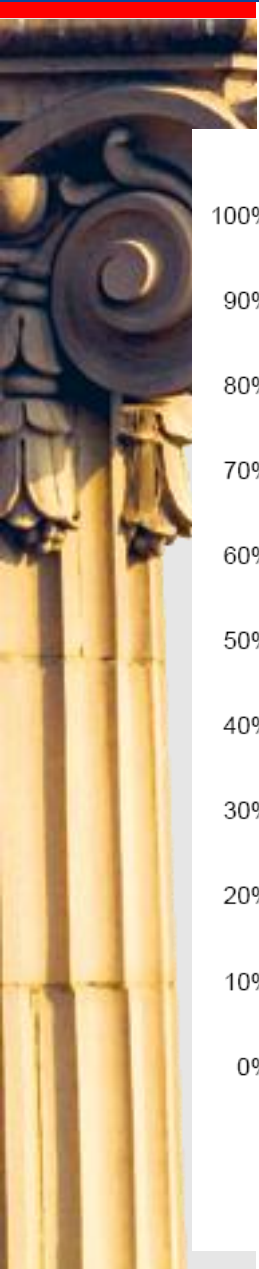
Kansas Workforce (MD/DO) projection and change of 20% in physician numbers after accounting for retirement (age 75 males, 65 females) and 43% retention of new physicians in 2005 and then decreasing it 1% each year until 33% in year 2015.



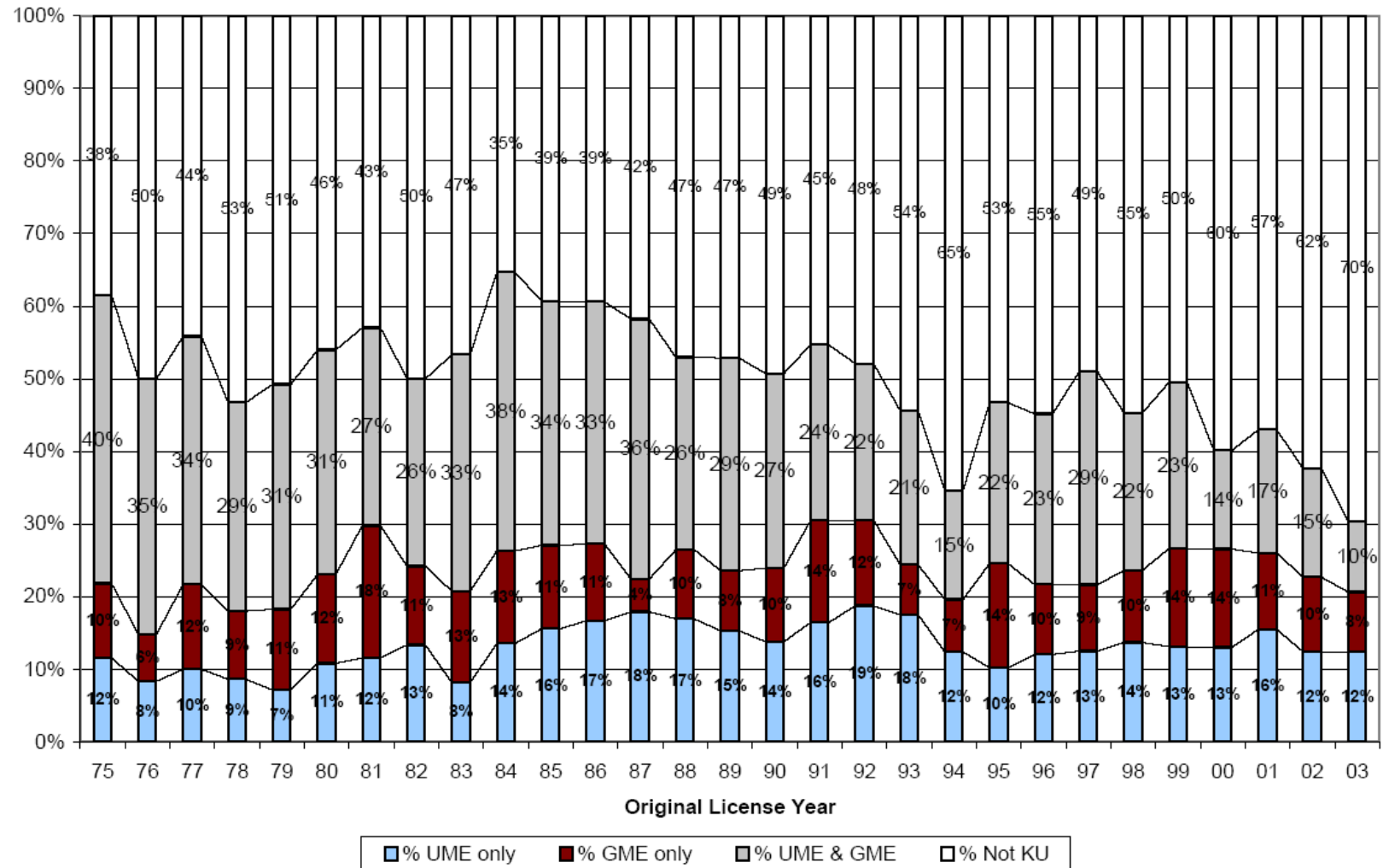


GME Salary Comparisons

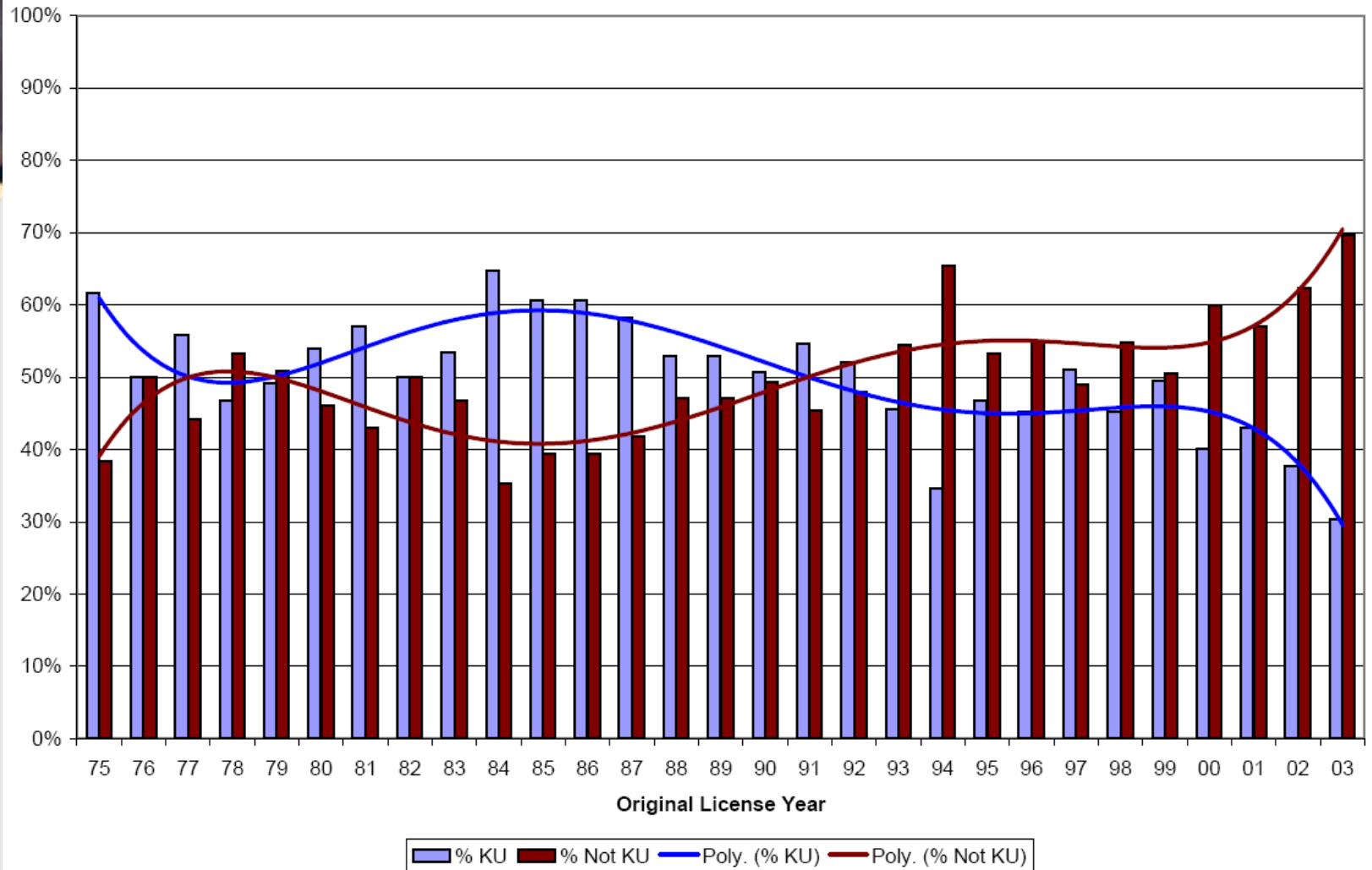
- 2005-2006 AAMC survey - mean 1st year resident stipend - \$42,070 KU Medical Center - mean 1st year stipend - \$38,603
- AAMC survey 2nd year stipend - \$43,082
KUMC - \$39,885
- AAMC survey Midwest 1st year stipend - \$41,566
- AAMC Western region 1st year stipend - \$40,701
KUMC - \$38,603



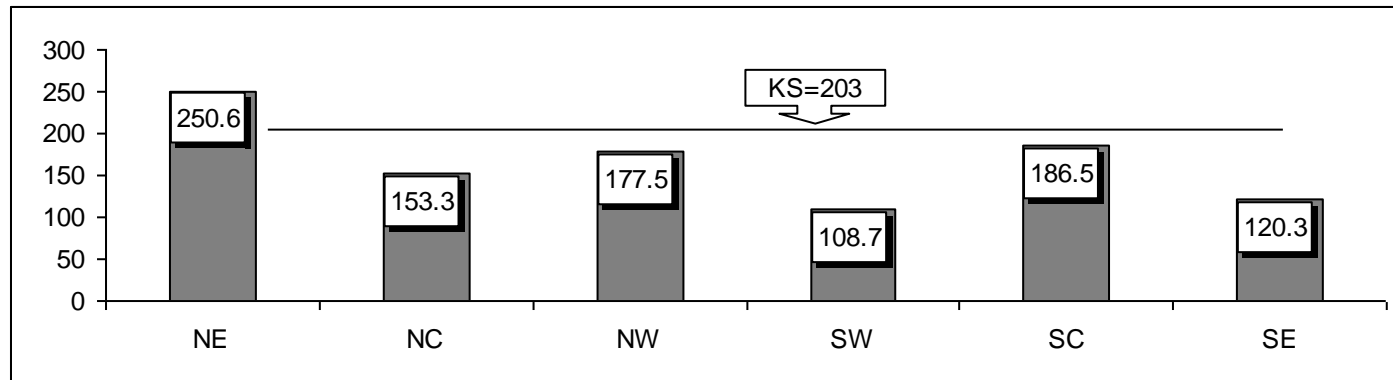
Percent of Active 2004 MD/DO Licenses for KU and Not KU Students



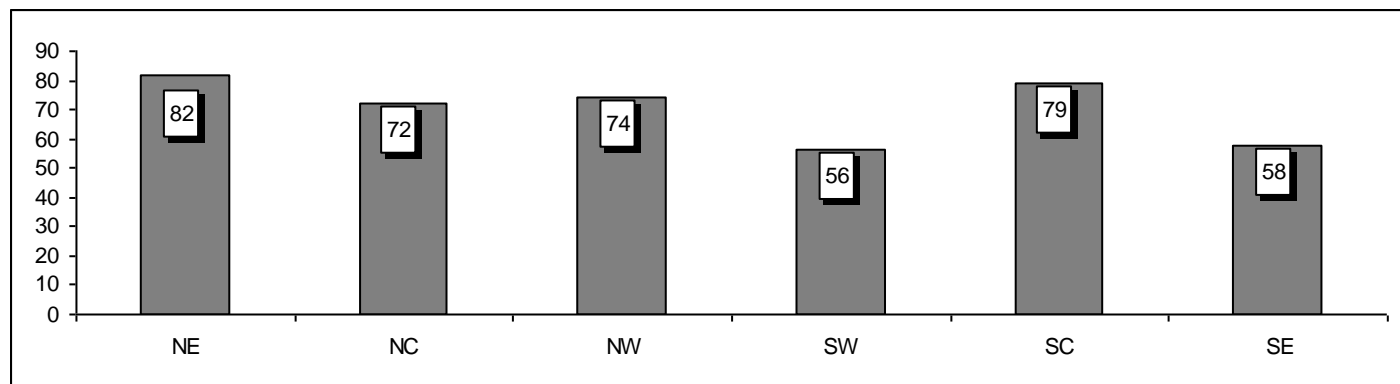
Percent of Active 2004 MD/DO Licenses for KU and Not KU Students



Physician to Population Ratios by Region



All Physicians



Primary Care Physicians

Physician/Population Ratio Equality Goals

Physicians Needed to Reach National Ratio Per 100,000 Population (245)

Region	Current N	Current N per capita	Goal per Capita	Goal N	Additional Physicians Needed
Kansas	5579	203	245	6702	1123
Northeast	3233	250	245	3233	0
Northcentral	188	153	245	300	112
Northwest	234	177	245	322	88
Southwest	181	108	245	408	227
Southcentral	1438	185	245	1890	452
Southeast	305	120	245	621	316

Primary Care Physicians Needed to Reach National Ratio Per 100,000 Population (85)

Region	Current N	Current N per capita	Goal per Capita	Goal N	Additional Physicians Needed
Kansas	2101	77	85	2352	251
Northeast	1060	82	85	1096	36
Northcentral	88	72	85	104	16
Northwest	98	74	85	112	14
Southwest	95	57	85	142	47
Southcentral	611	79	85	655	44
Southeast	149	58	85	215	66

Medical Education Change Projections

Effects of KUMC UME Class Size Increase

Percent Increase	N	Projected In-State	Projected Out-of-State	Addtl. Studs per Year
Current	710	270	440	0
10%	781	297	484	71
20%	852	323	529	142
30%	923	277	646	213

Effects of KUMC GME Class Size Increase

Percent Increase	N	Projected In-State	Projected Out-of-State	Addtl. Studs per Year
Current	675	304	371	0
10%	743	334	409	68
20%	810	365	445	135
30%	878	395	483	203